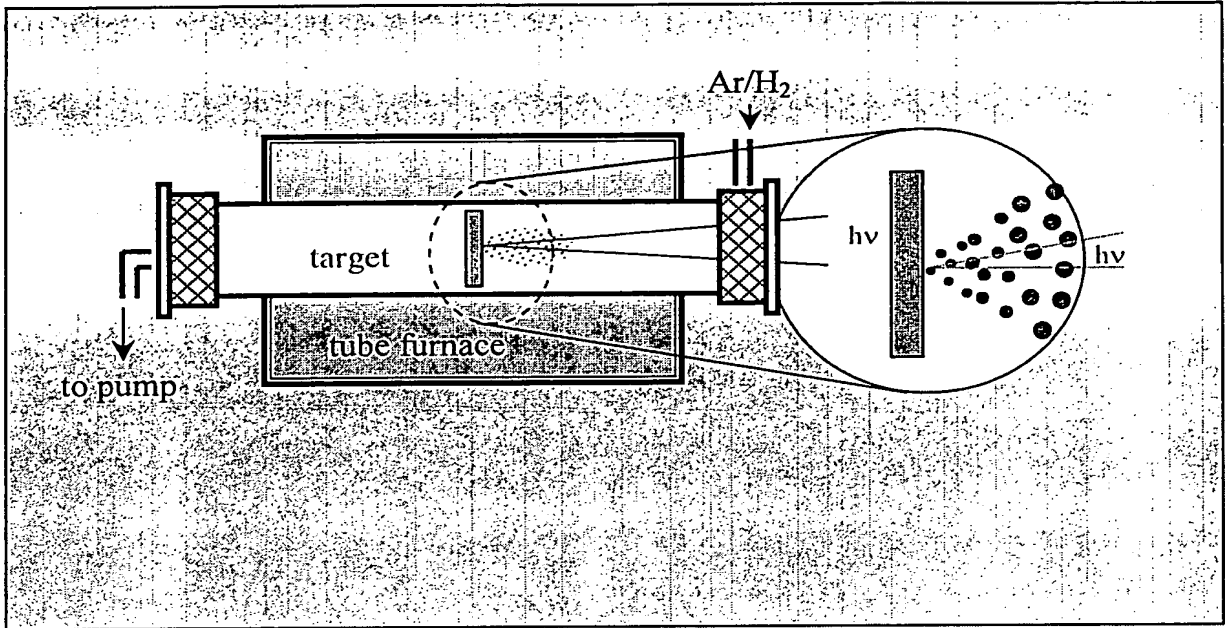
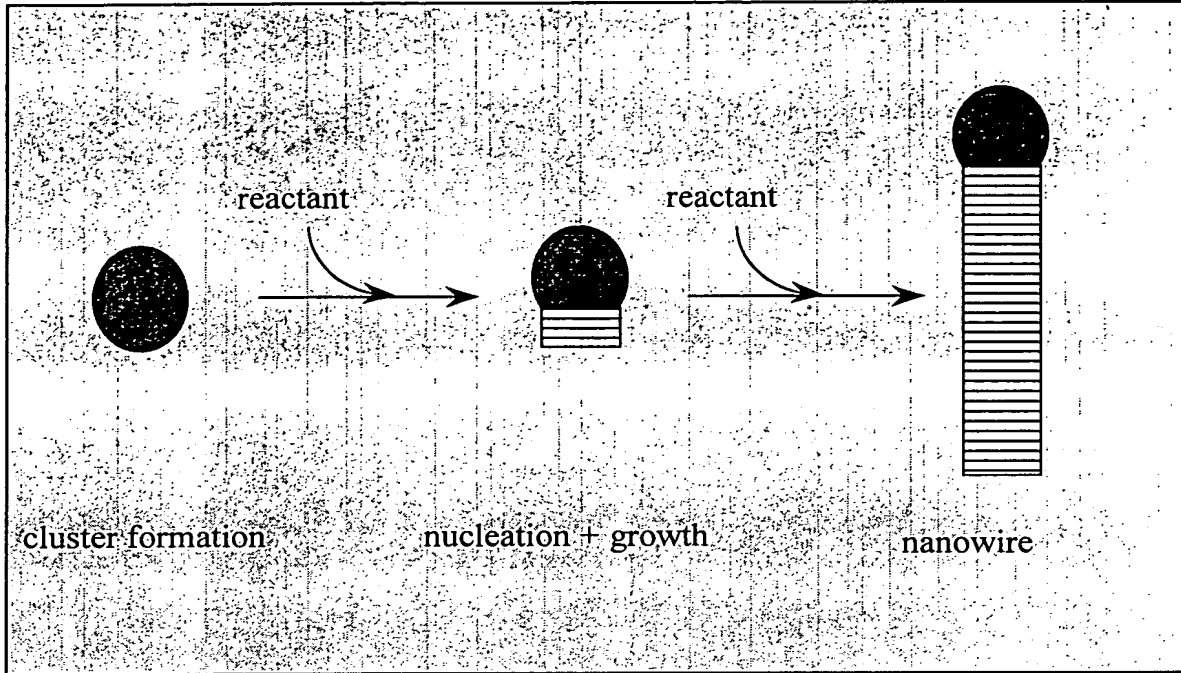


FIG. 1



FOR RELEASE

FIG. 2



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FIG. 3

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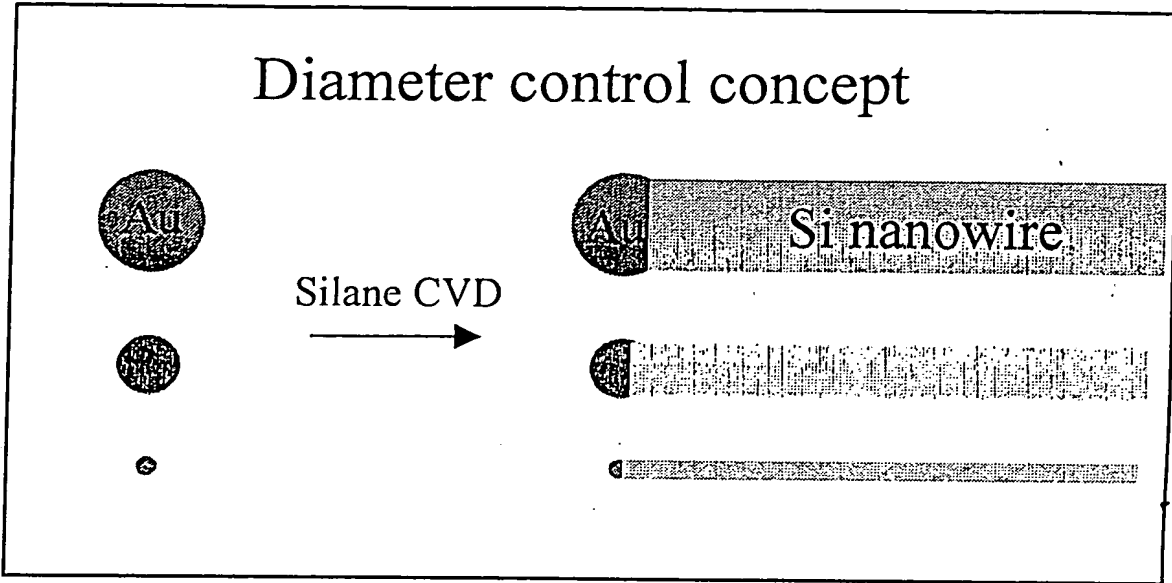


FIG. 4

0909232260

FIG. 5

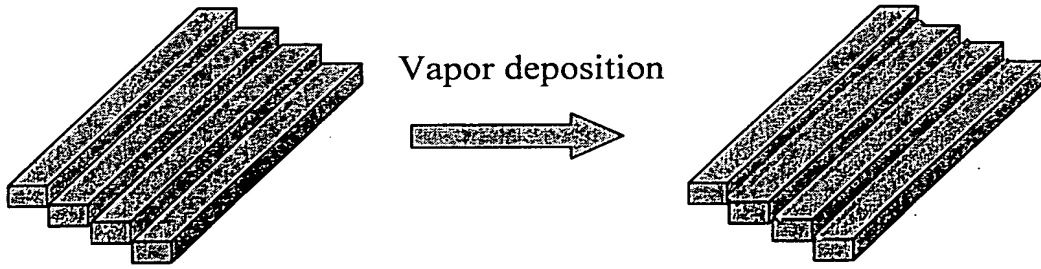
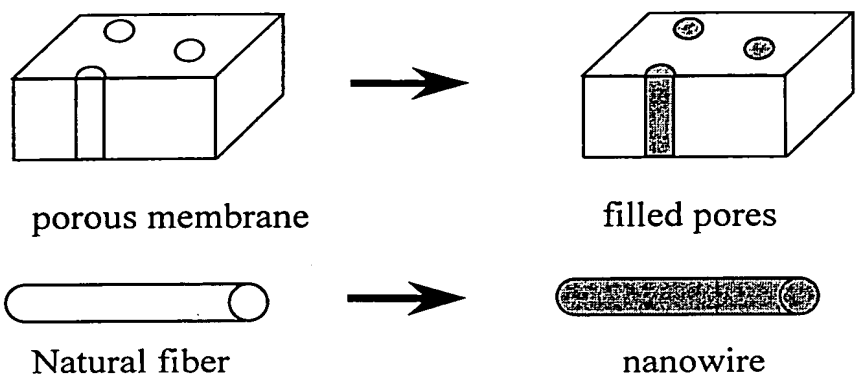


FIG. 5



porous membrane

filled pores

Natural fiber

nanowire

FIG. 6

090925260

# Orthogonal Assembly of Semiconductor Nanowires

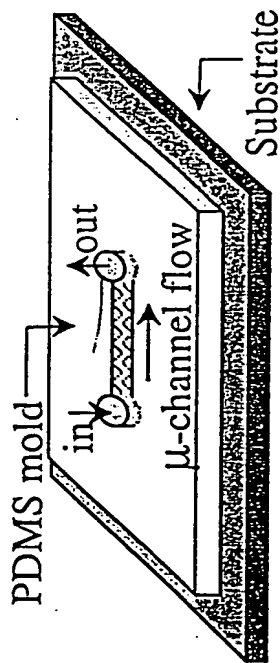


FIG. 7A

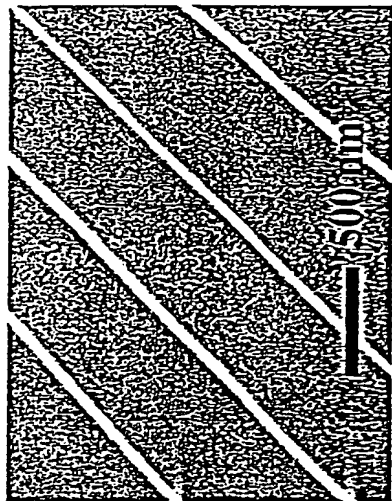
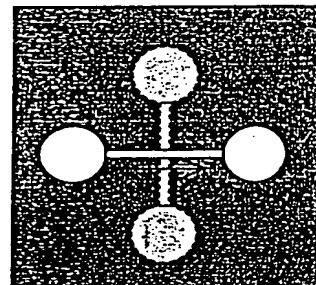
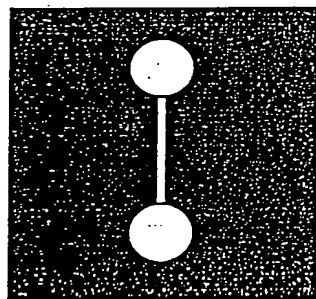


FIG. 7B



Second layer

FIG. 7D



First layer

FIG. 7C



FIG. 7E

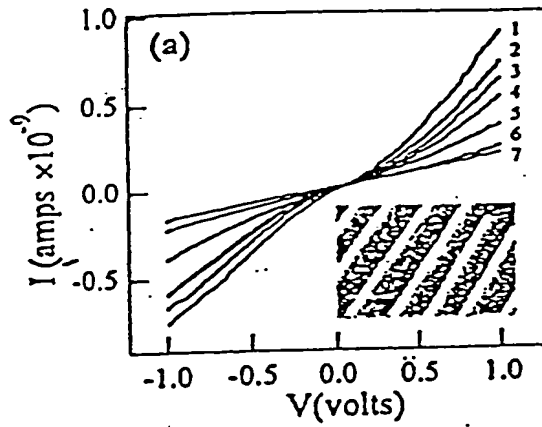


FIG. 8A

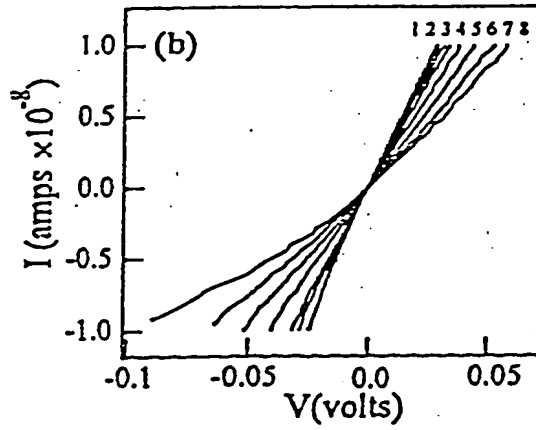


FIG. 8B

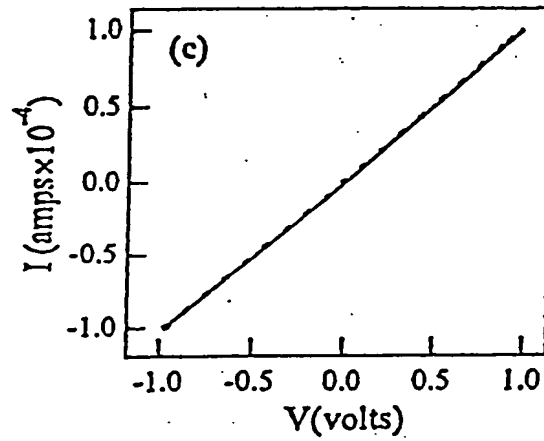


FIG. 8C

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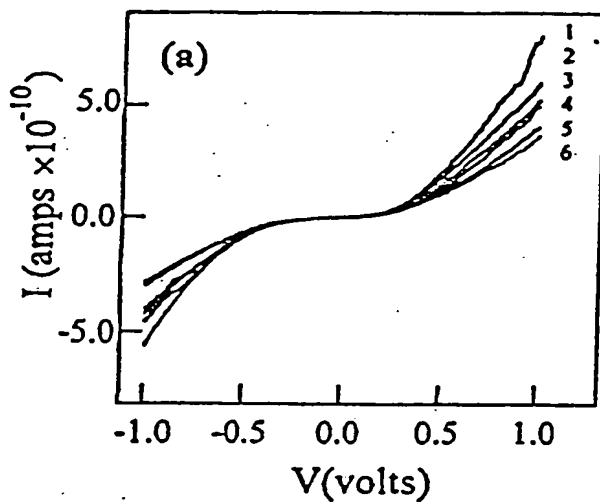
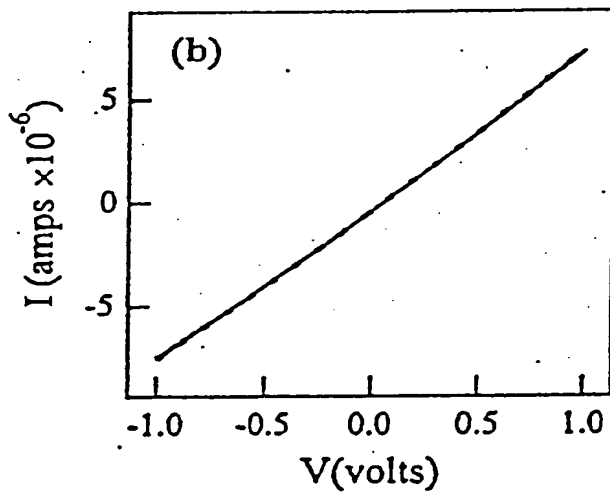
**FIG. 9A****FIG. 9B**

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a)

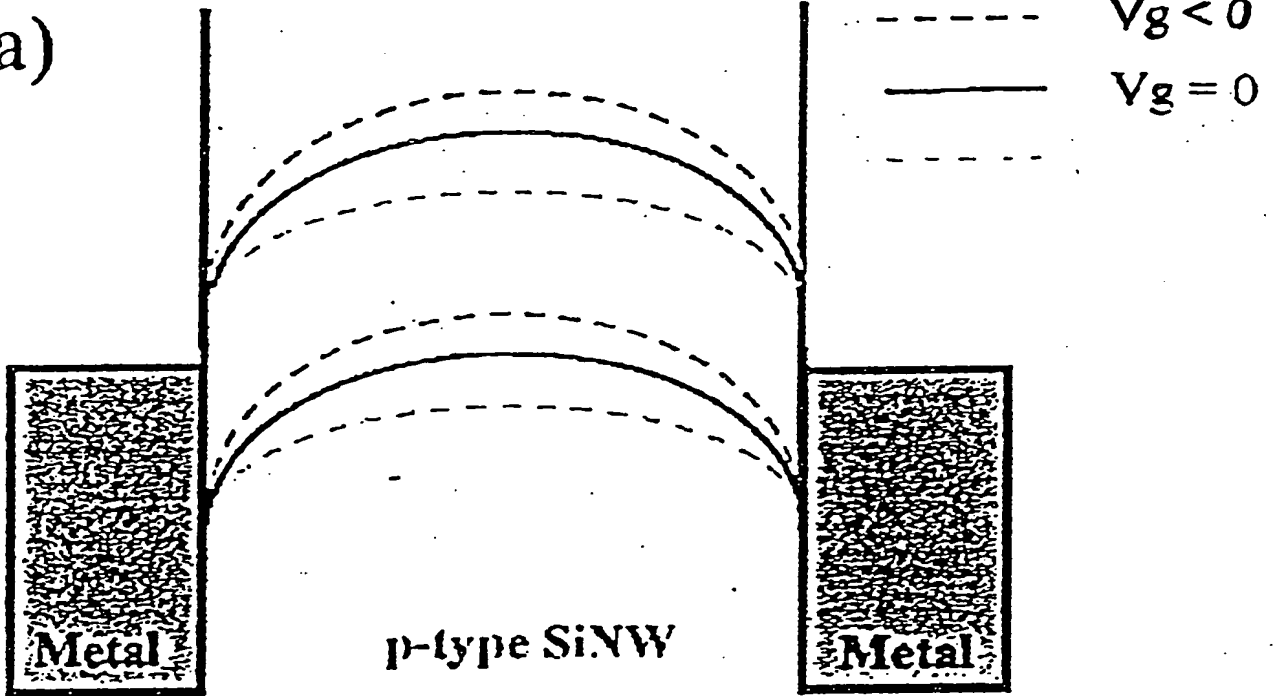


FIG. 10A

b)

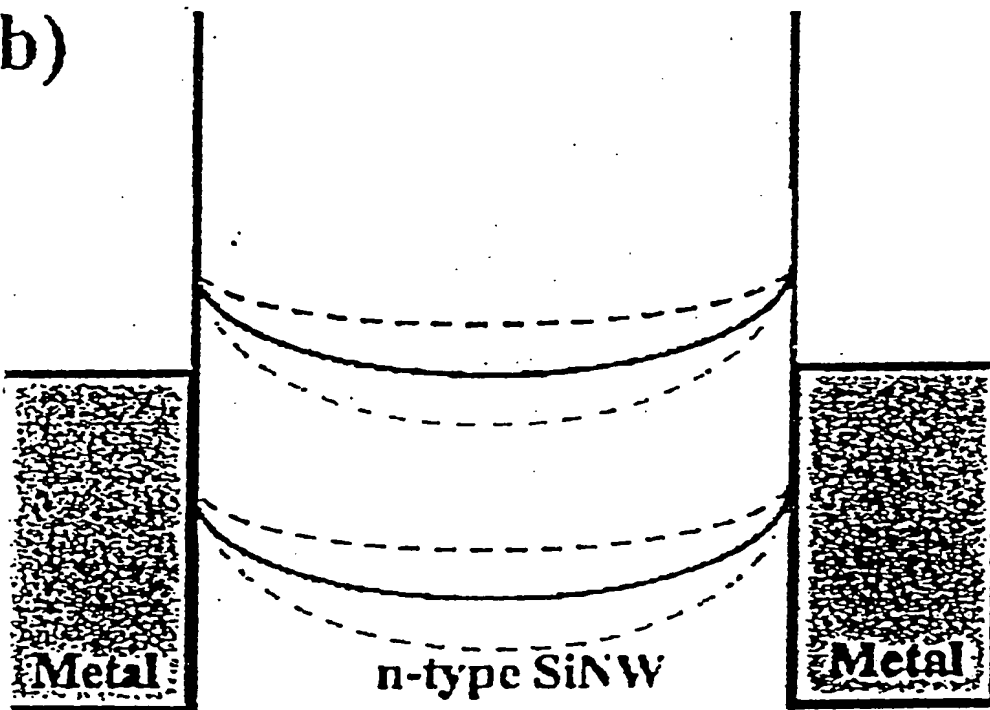


FIG. 10B

000075-000004

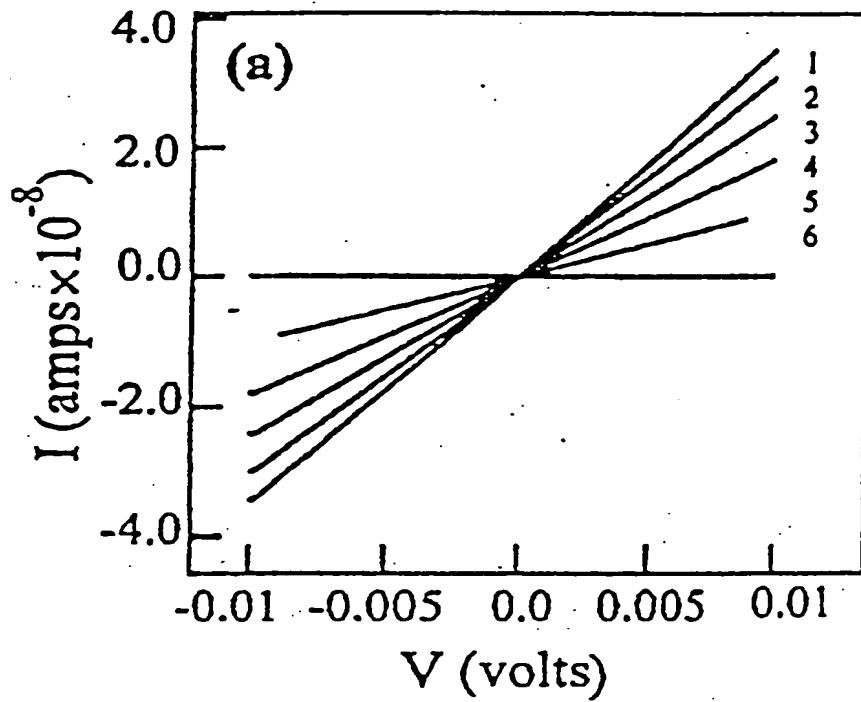


FIG. 11A

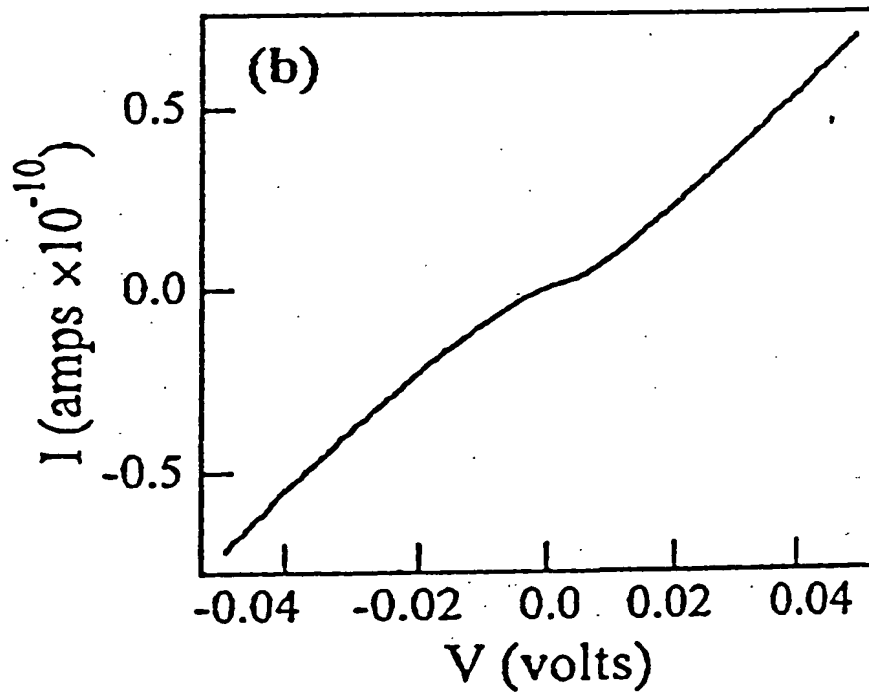


FIG. 11B

FOU60 345000

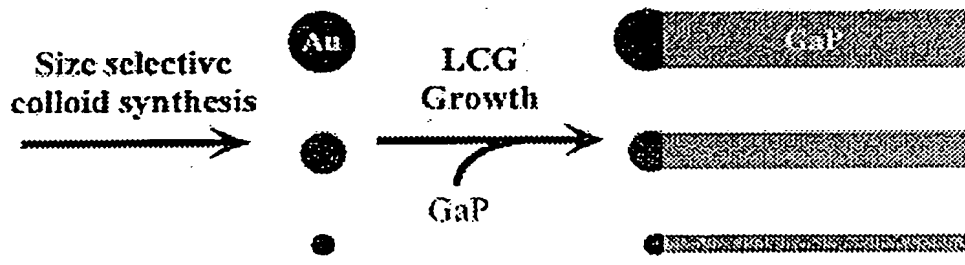


FIG. 12

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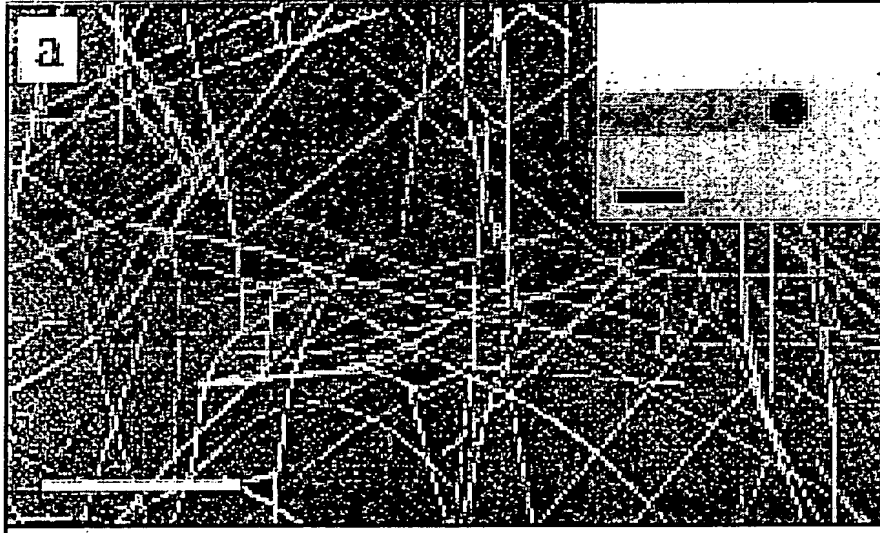


FIG. 13A

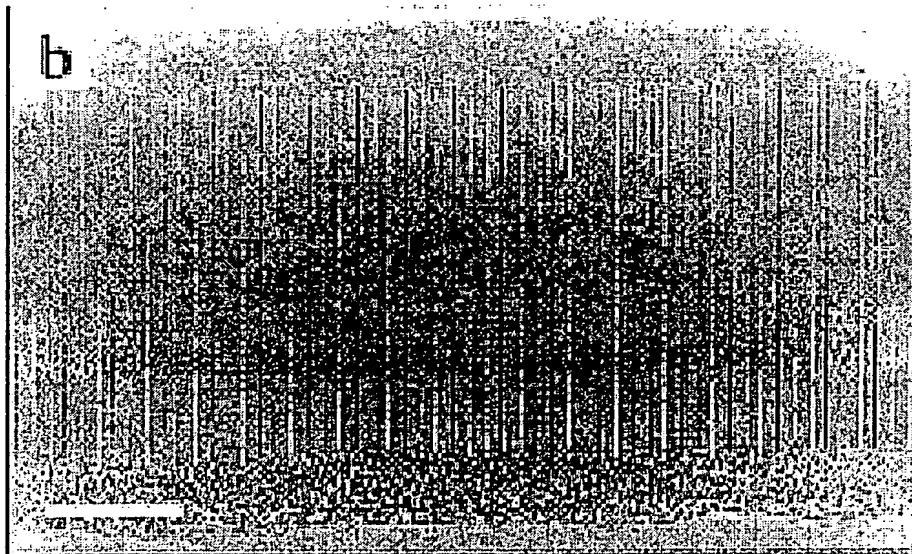


FIG. 13B

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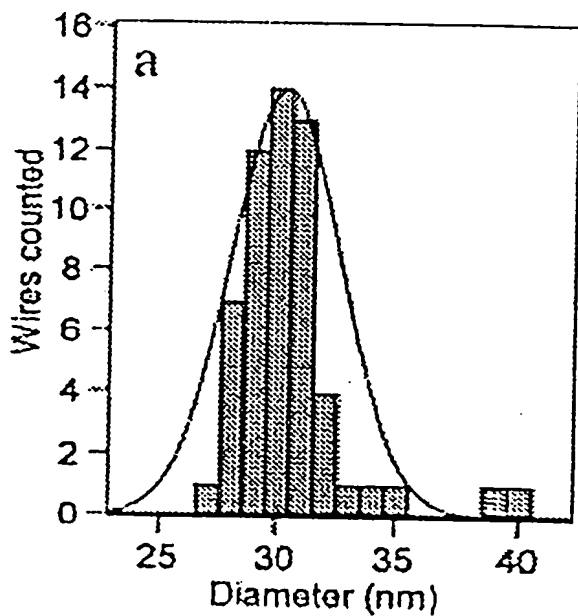


FIG. 14A

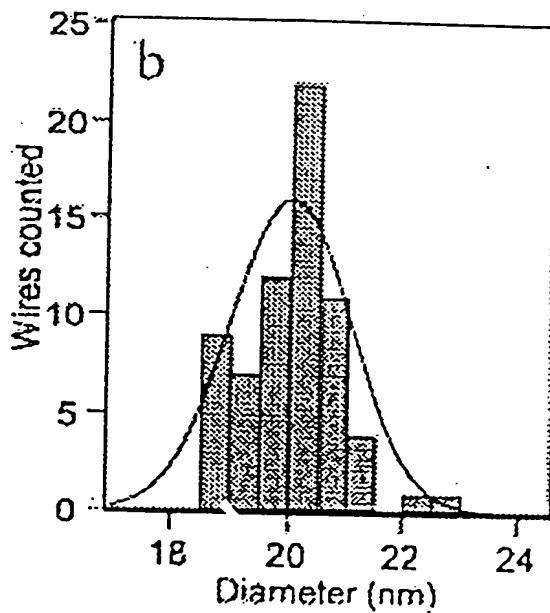


FIG. 14B

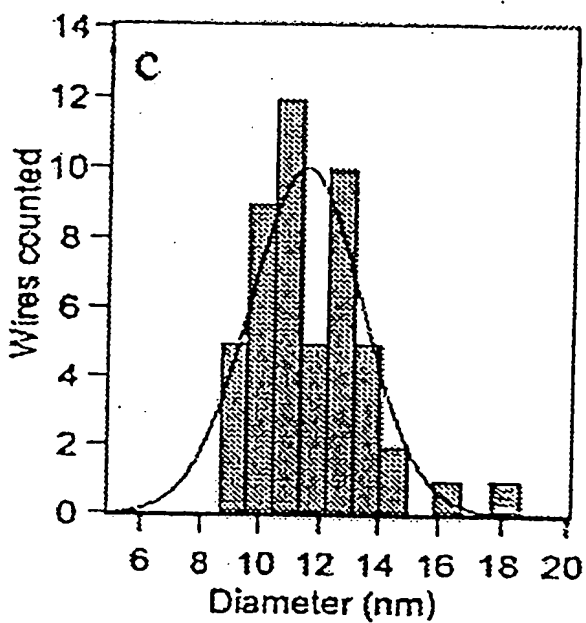


FIG. 14C

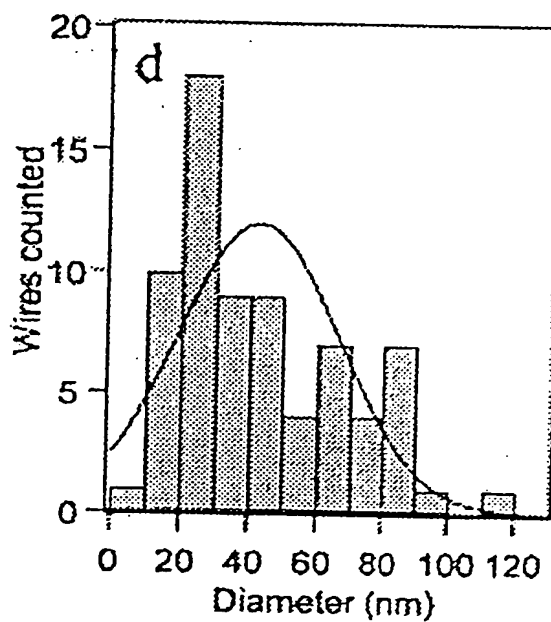


FIG. 14D

FO2280 9425000

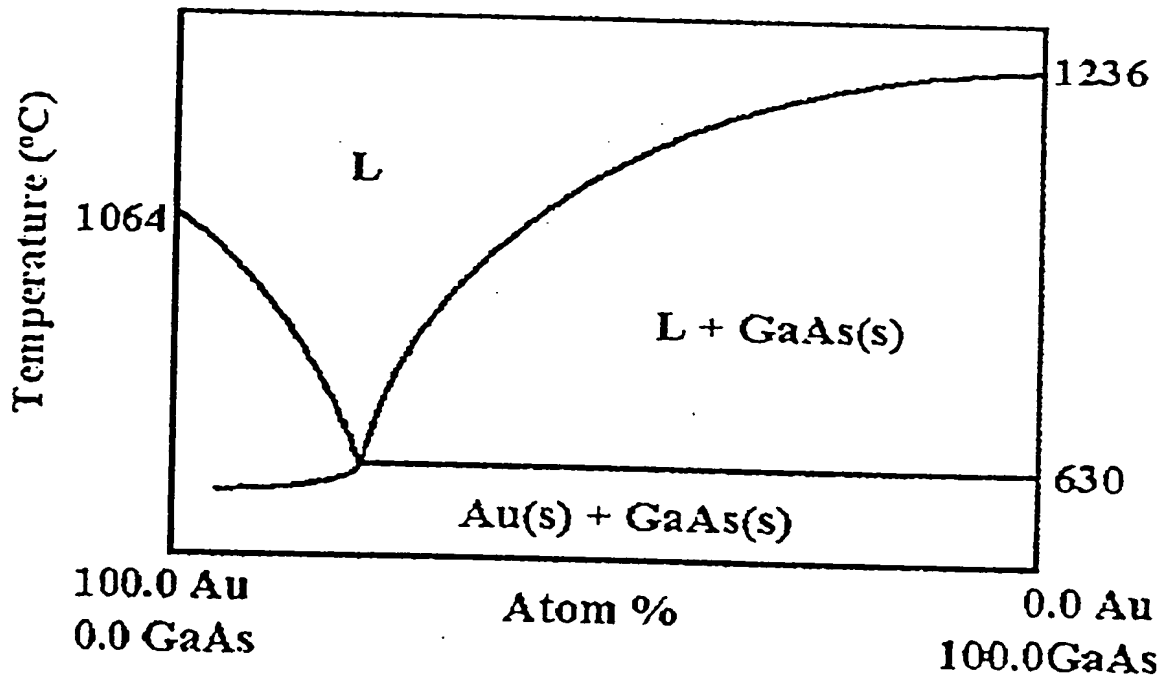


FIG. 15

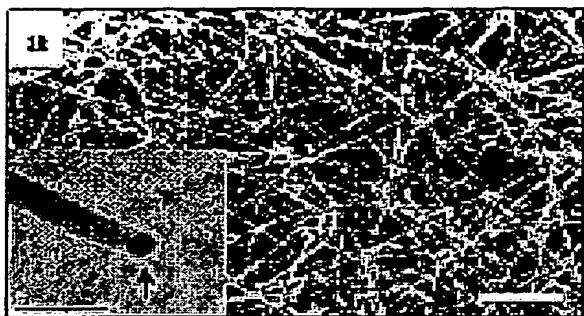


FIG. 16A

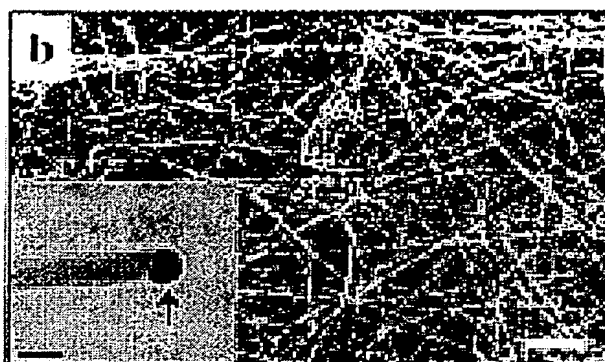


FIG. 16B

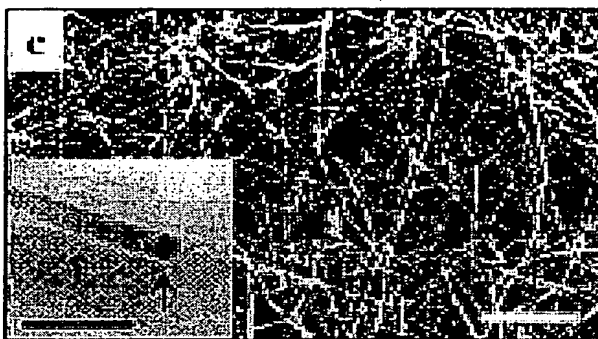


FIG. 16C

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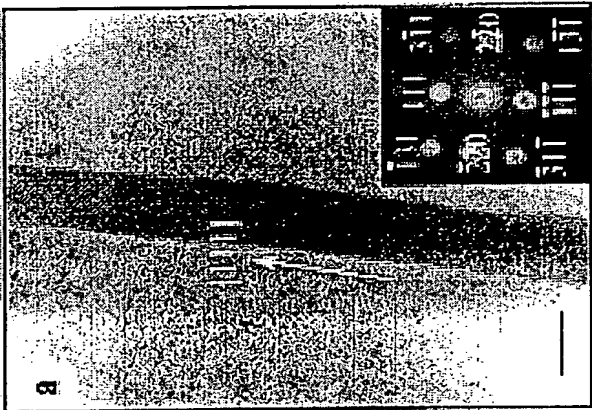


FIG. 17A

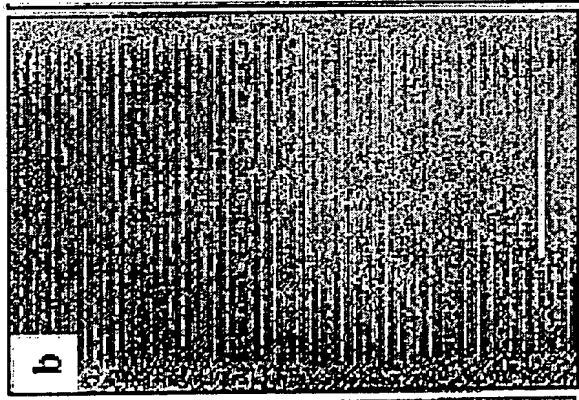


FIG. 17B

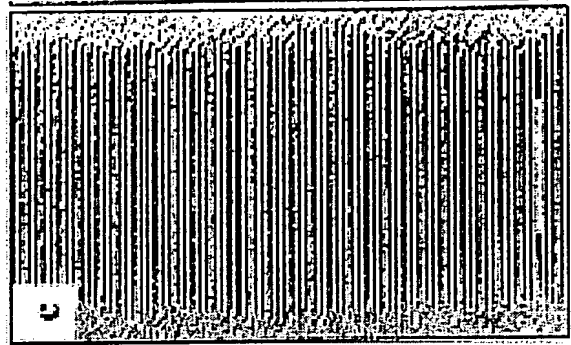


FIG. 17C

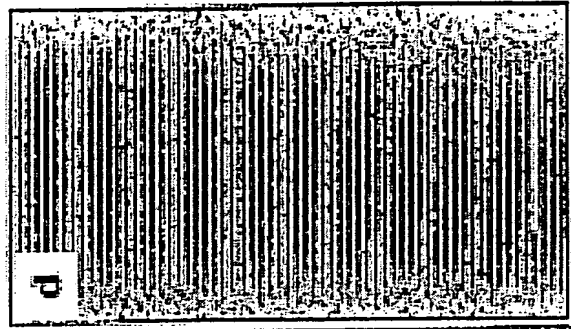
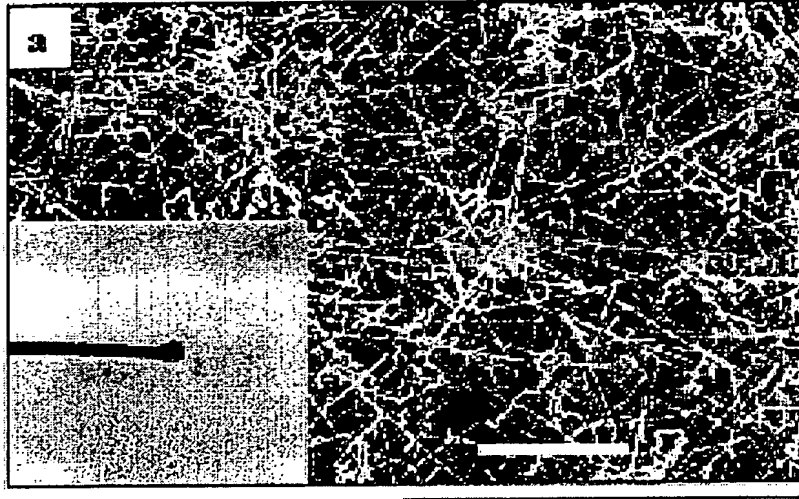
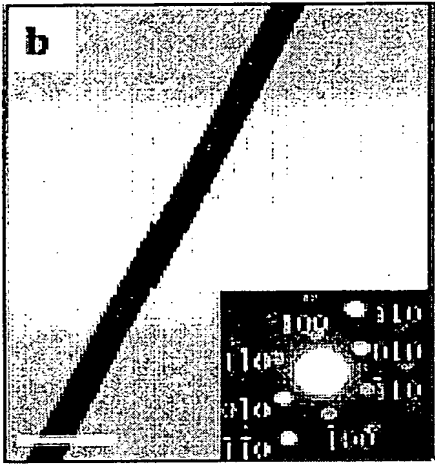


FIG. 17D

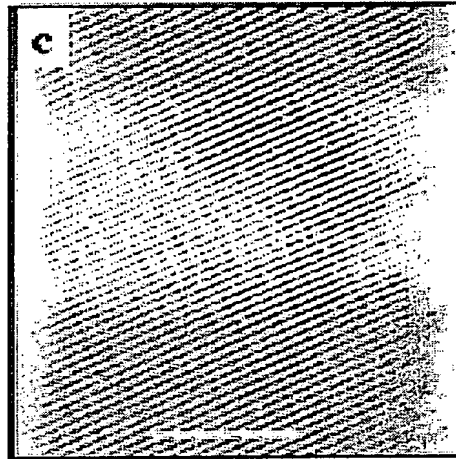
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**FIG. 18A**



**FIG. 18B**



**FIG. 18C**

0000000000000000

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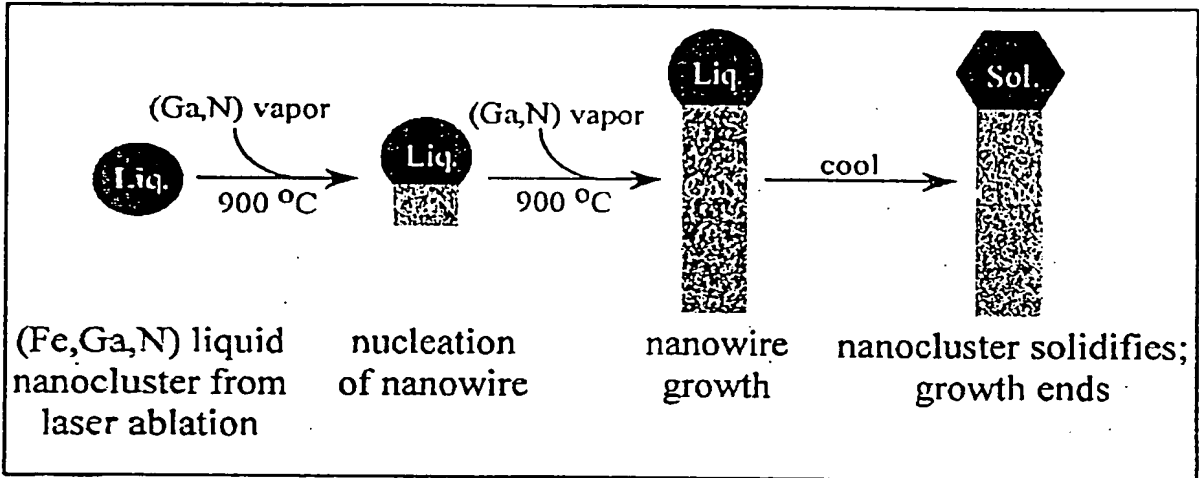


FIG. 19

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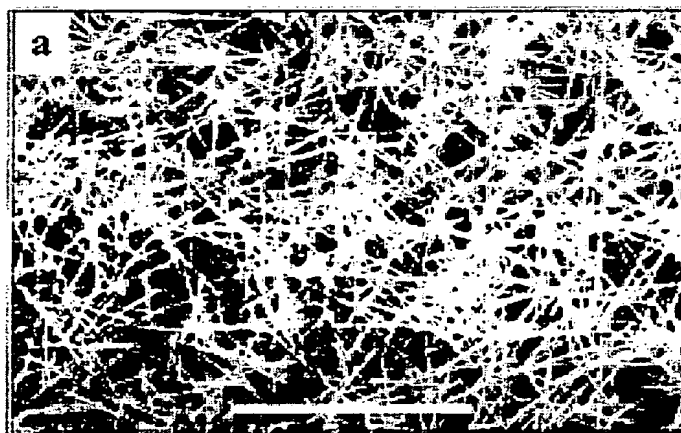


FIG. 20A

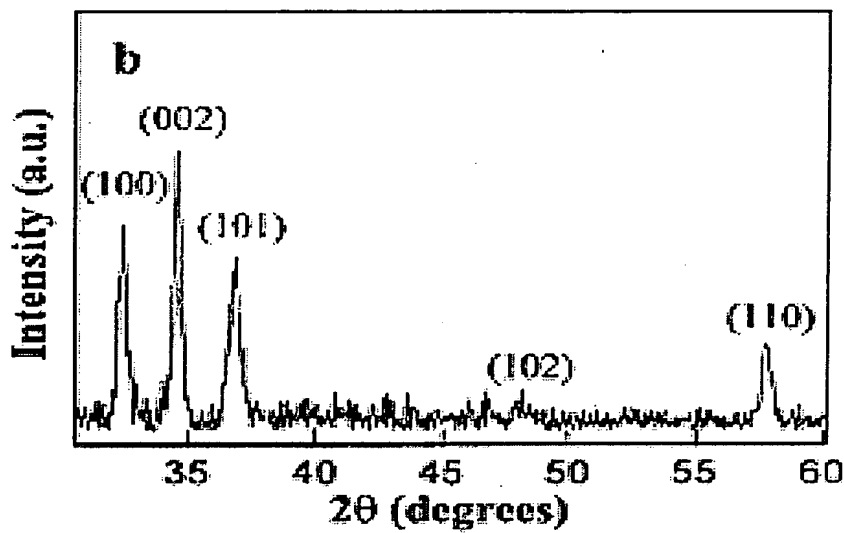


FIG. 20B

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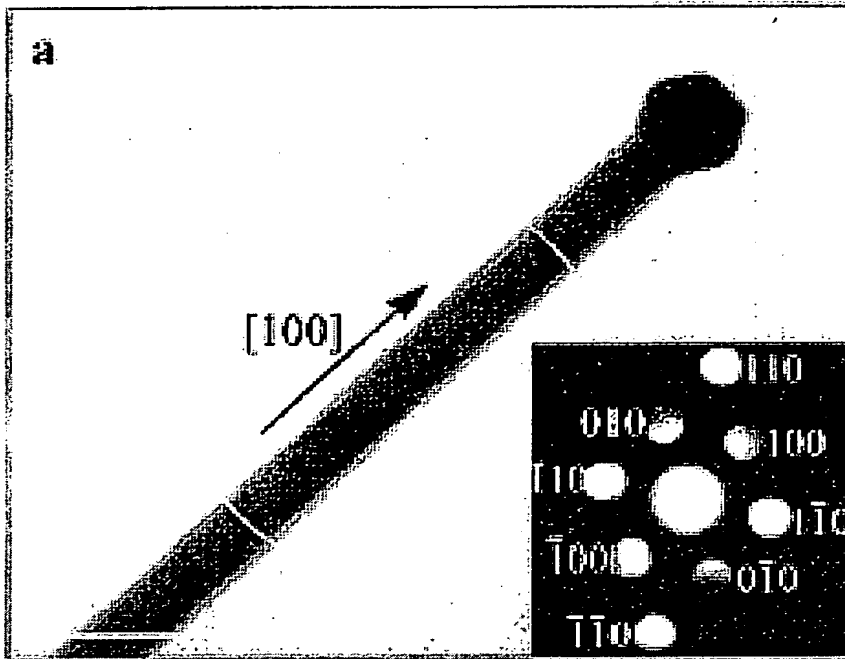


FIG. 21A

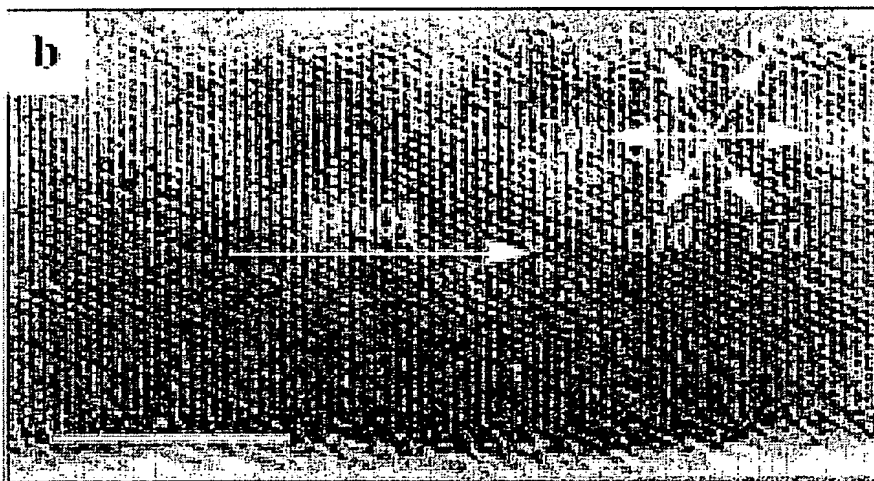


FIG. 21B

00005775:0000004

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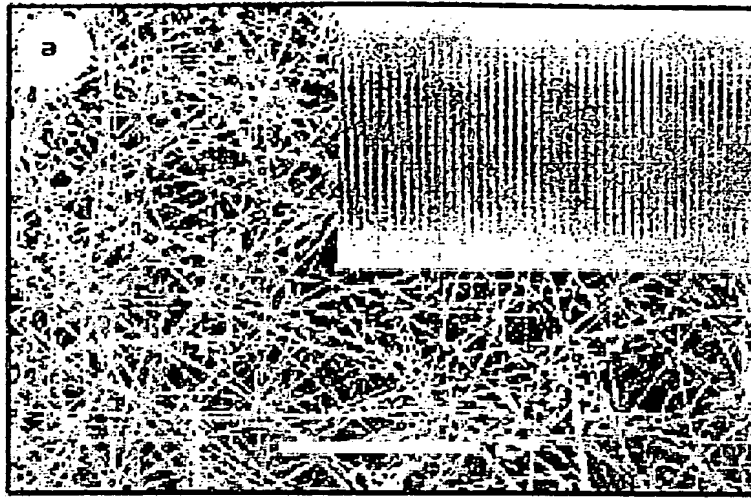


FIG. 22A

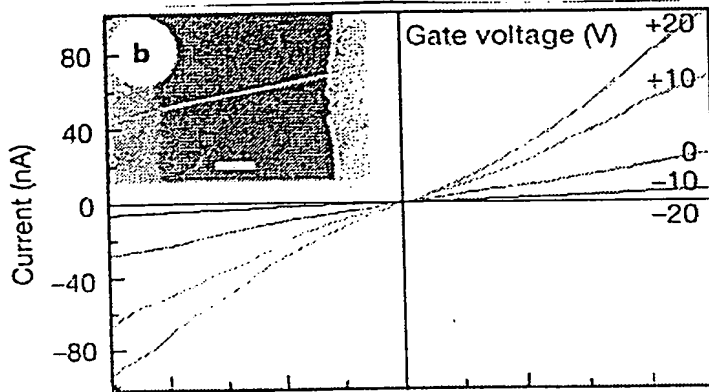


FIG. 22B

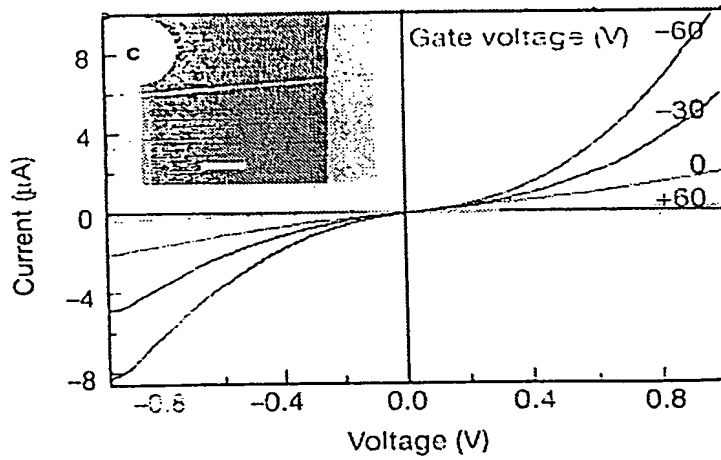


FIG. 22C

00000000000000000000

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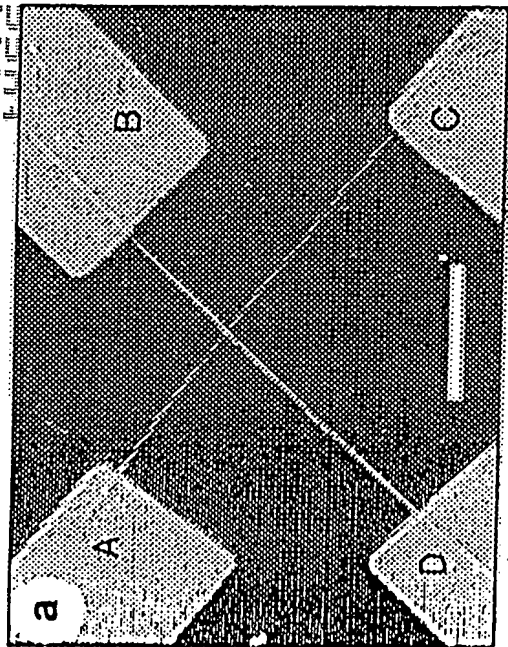


FIG. 23A

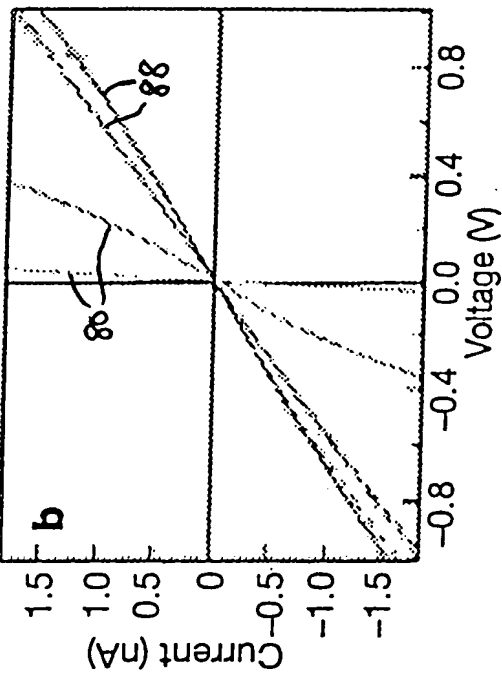


FIG. 23B

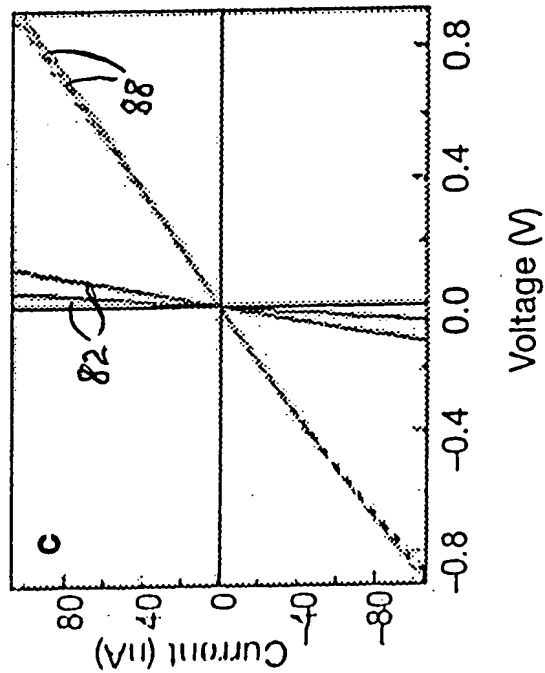


FIG. 23C

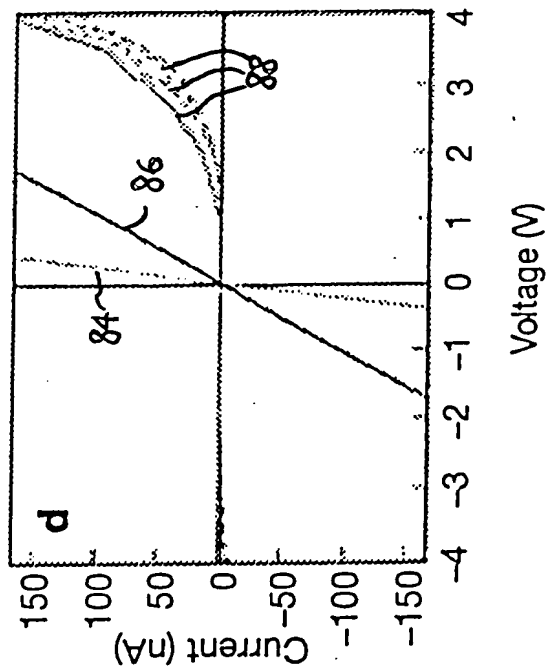
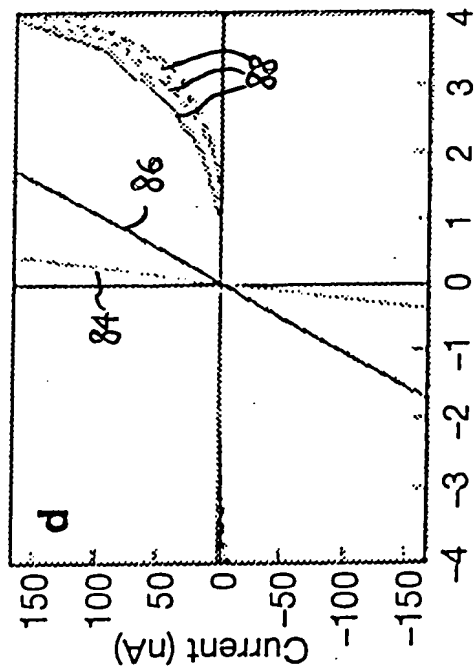
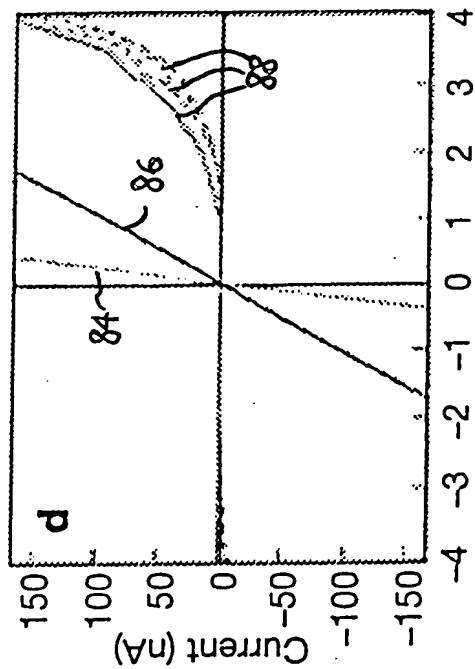


FIG. 23D



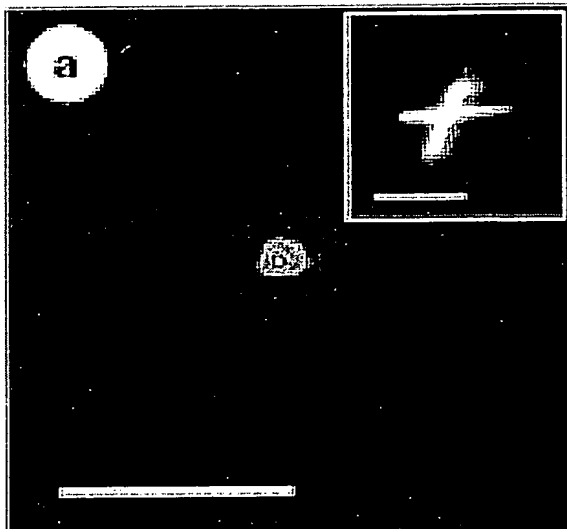


FIG. 24A

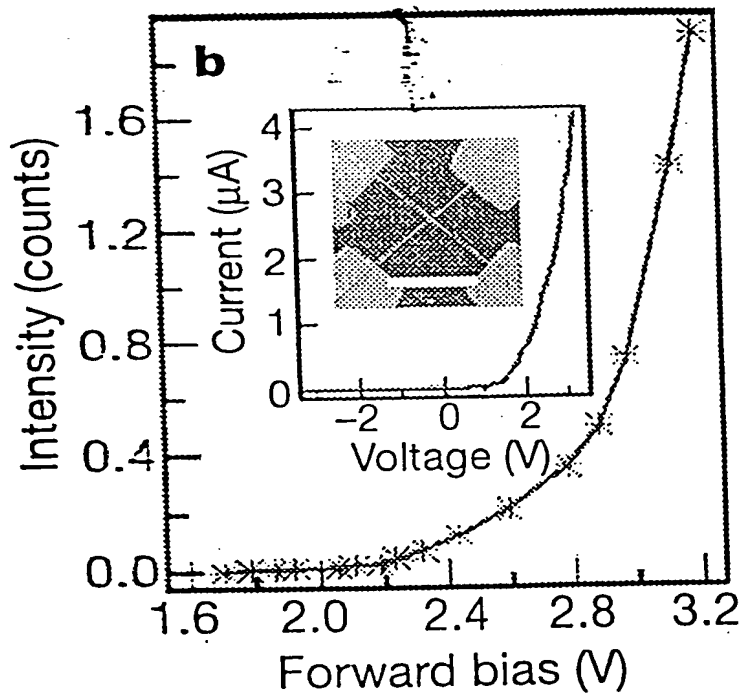
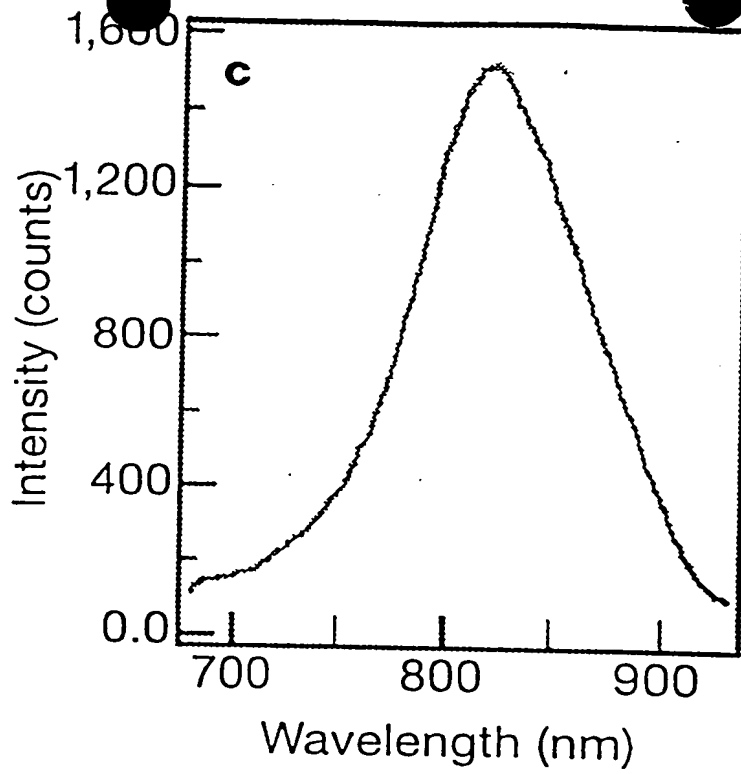


FIG. 24B

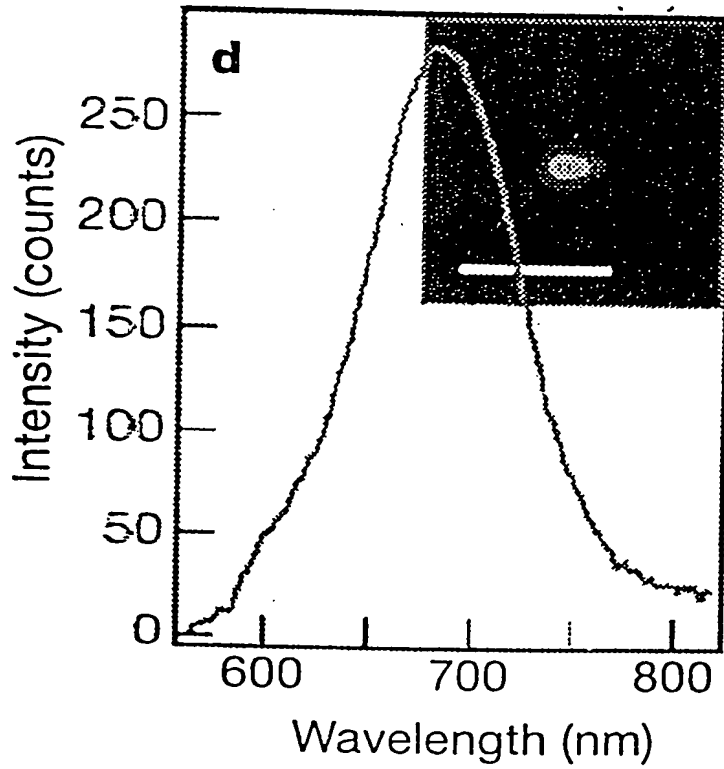
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**FIG. 24C**



**FIG. 24D**

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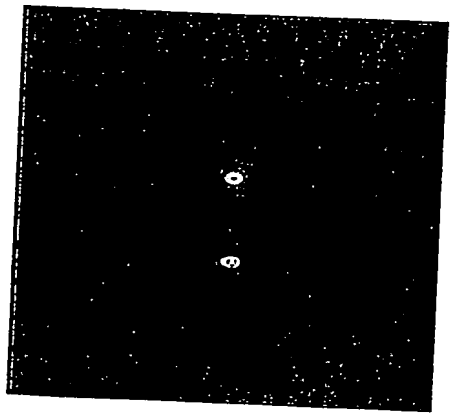


FIG. 25A

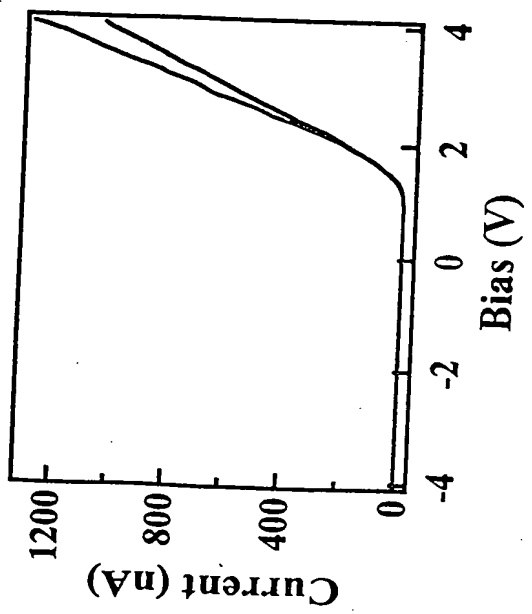


FIG. 25B

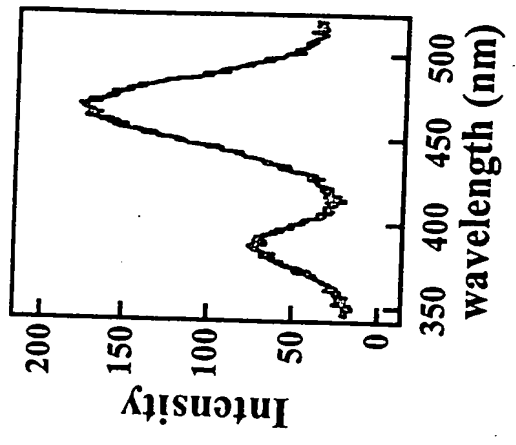


FIG. 25C

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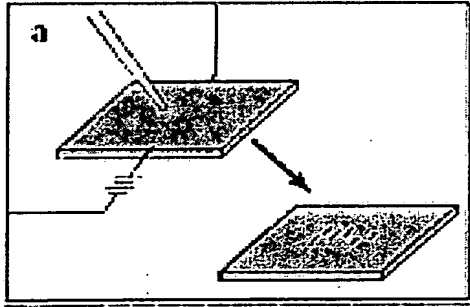


FIG. 26A

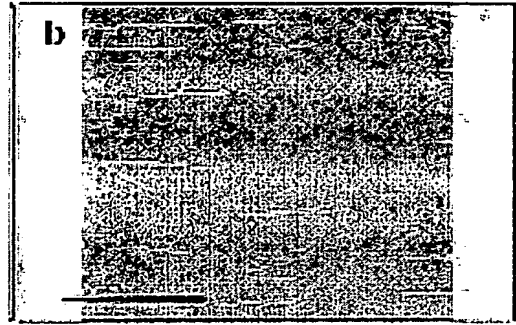


FIG. 26B

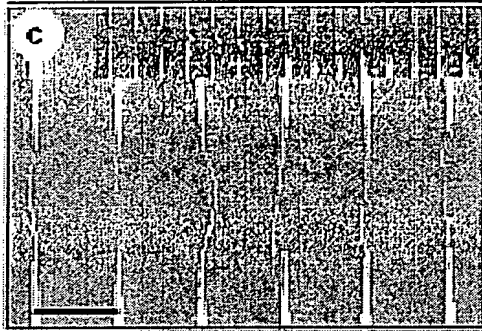


FIG. 26A

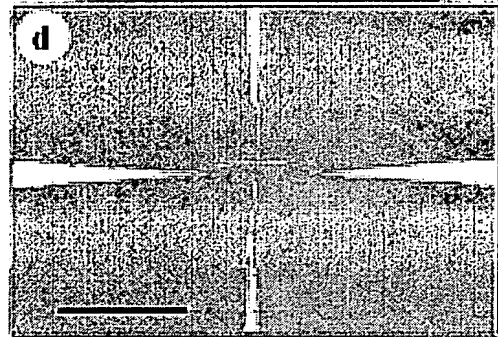


FIG. 26B

0003576 08000

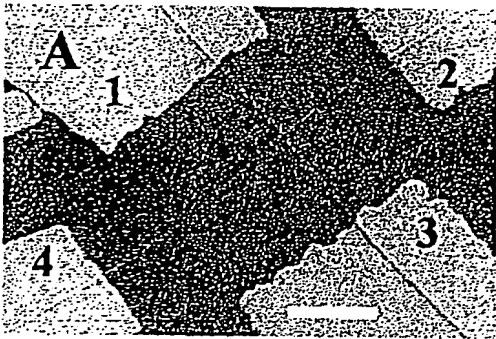


FIG. 27A

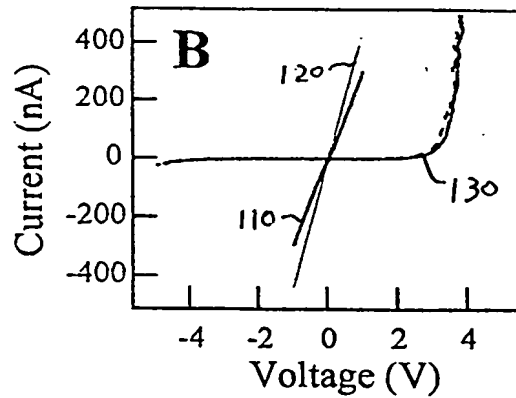


FIG. 27B

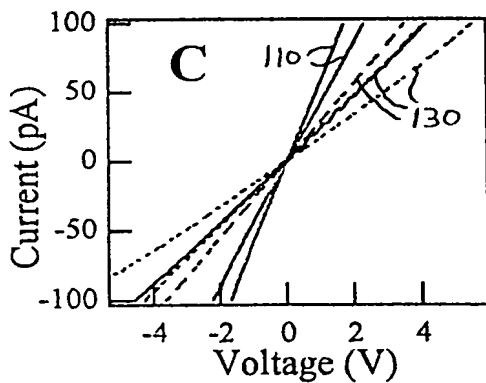


FIG. 27C

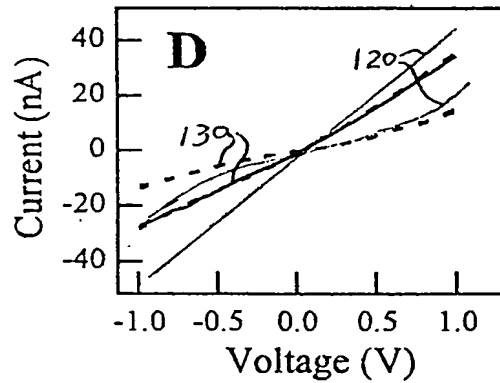
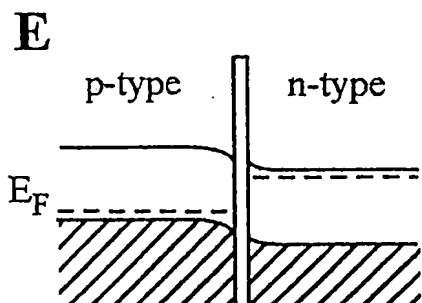
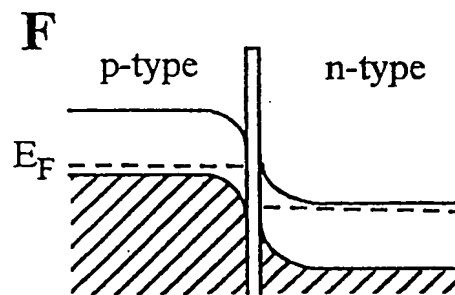


FIG. 27D



forward bias

FIG. 27E



reverse bias

FIG. 27F

"TECHNOLOGY" SECTION

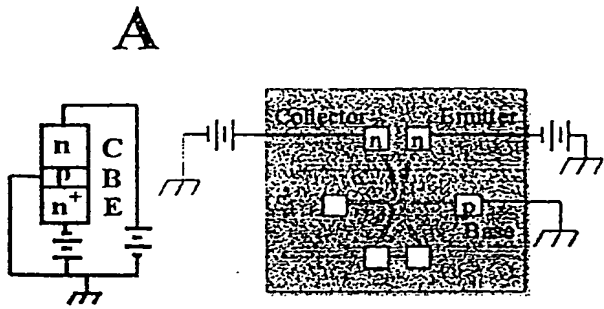


FIG. 28A

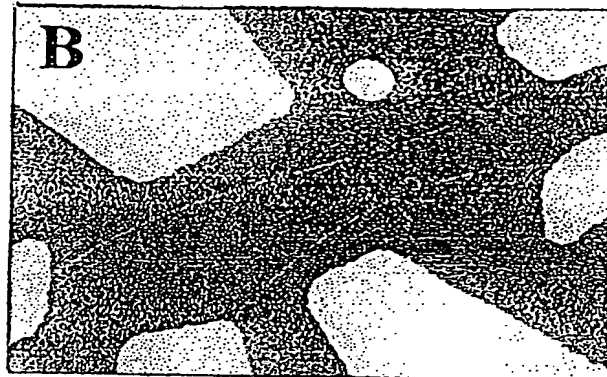


FIG. 28B

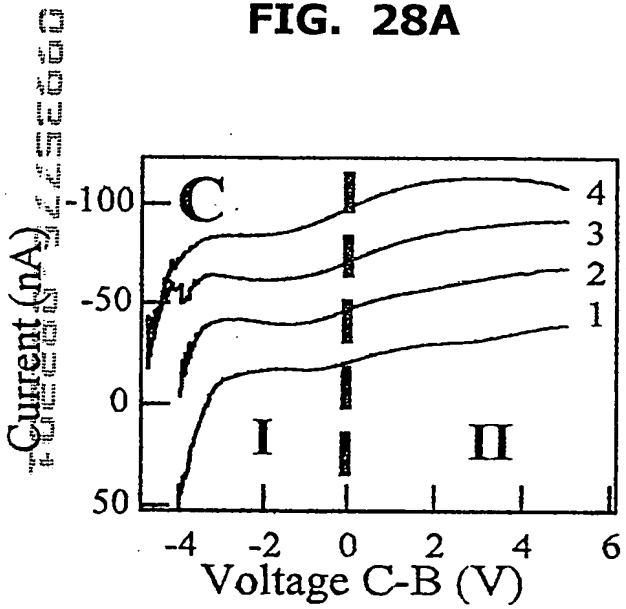


FIG. 28C

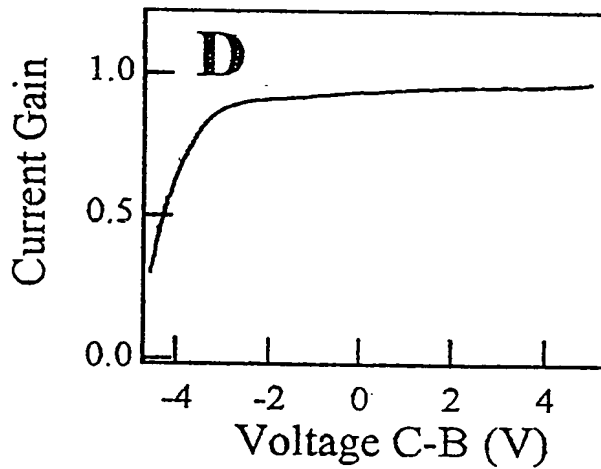
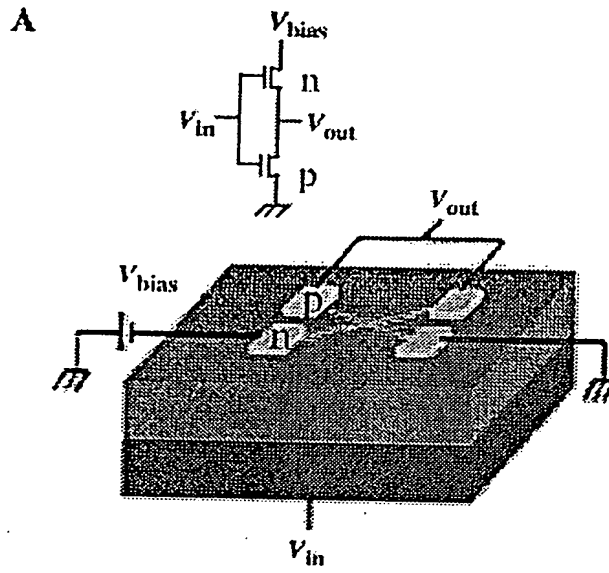
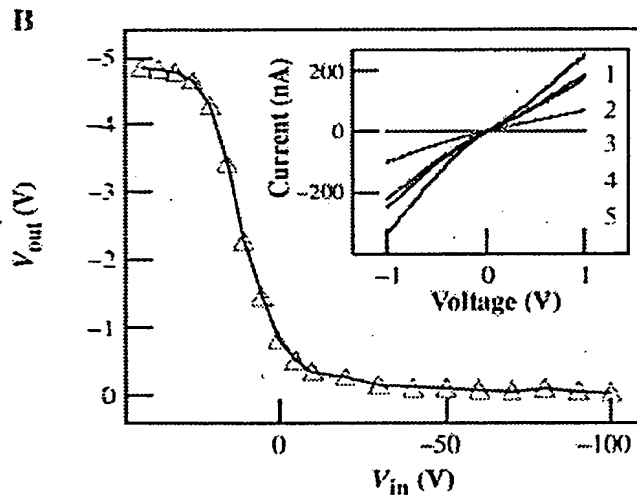


FIG. 28D

FO2280 34252600



**FIG. 29A**



**FIG. 29B**

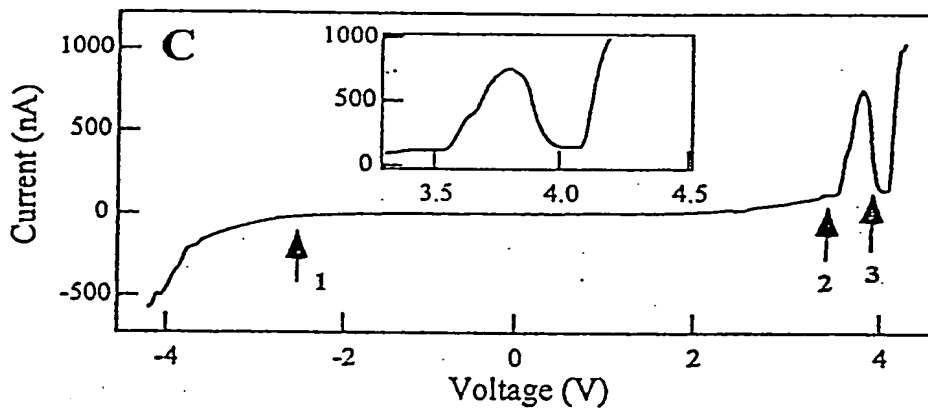


FIG. 29C

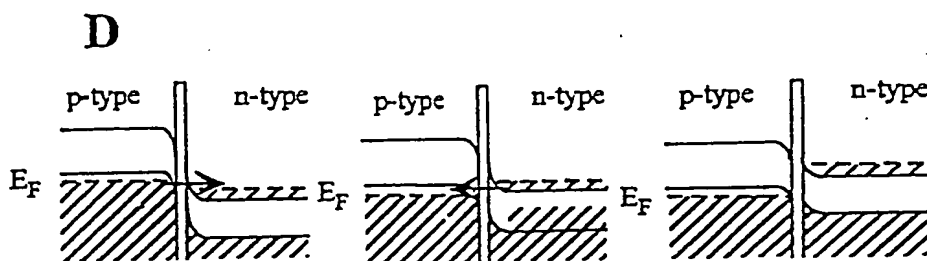


FIG. 29D

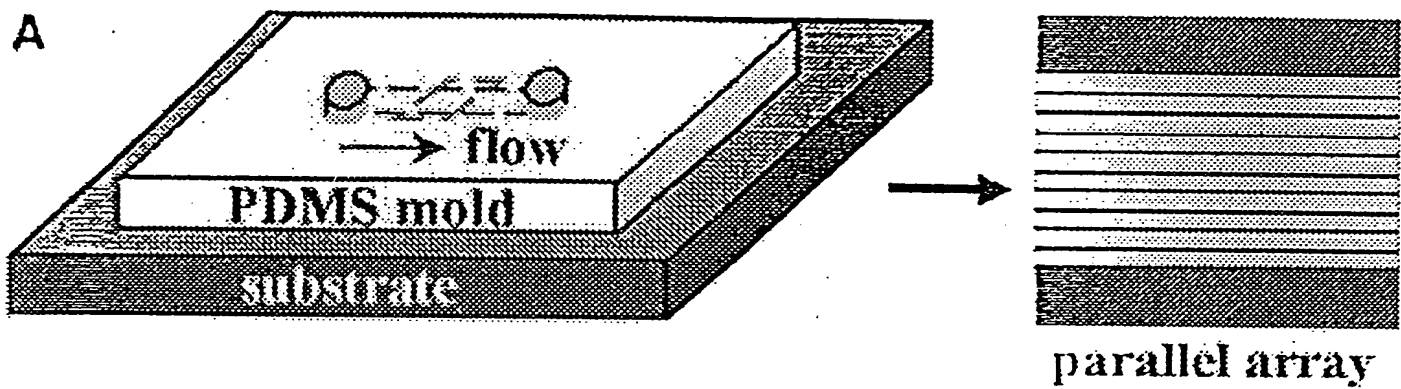


FIG. 30A

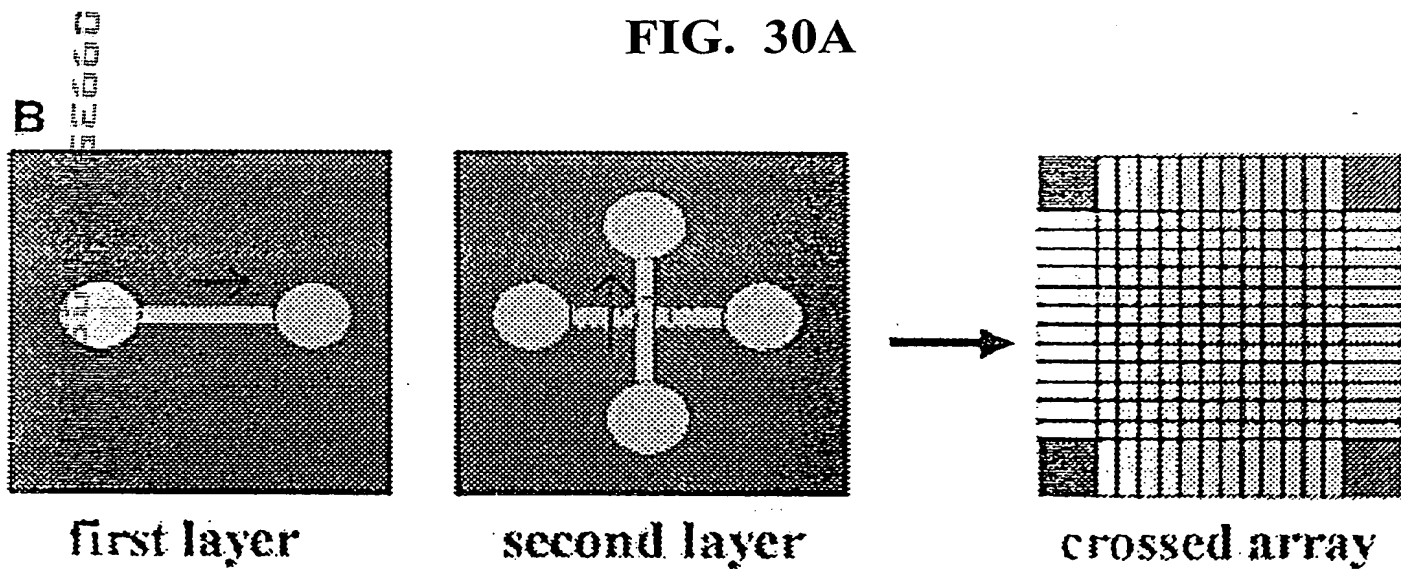


FIG. 30B



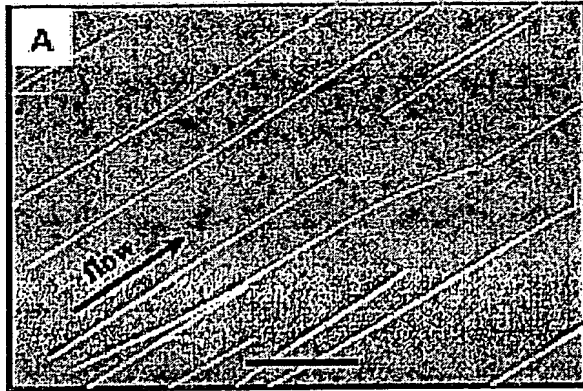


FIG. 31A

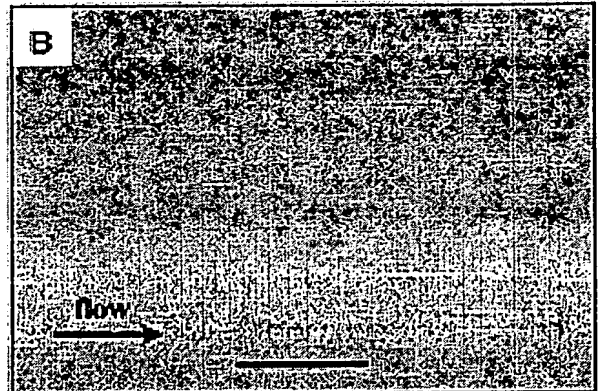


FIG. 31B

Angular spread (deg.)

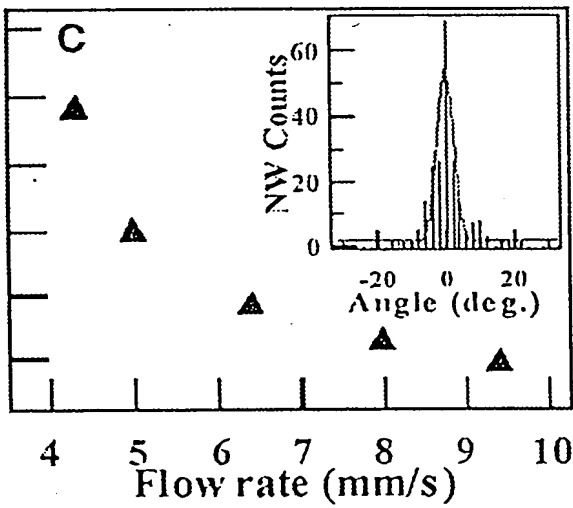


FIG. 31C

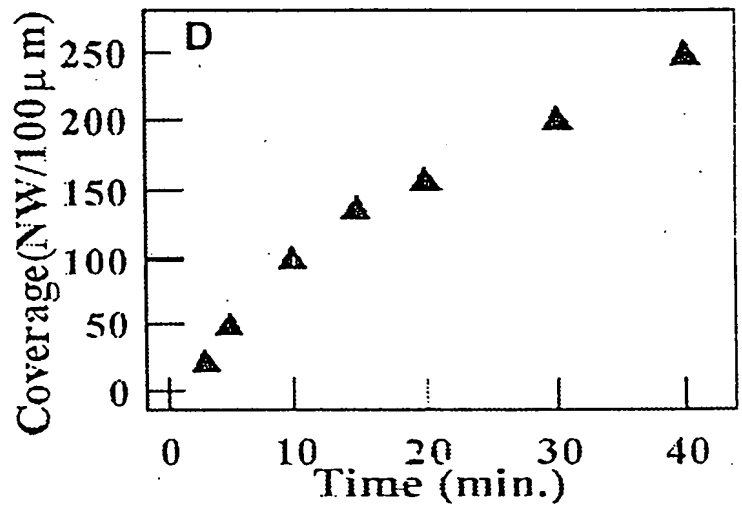


FIG. 31D

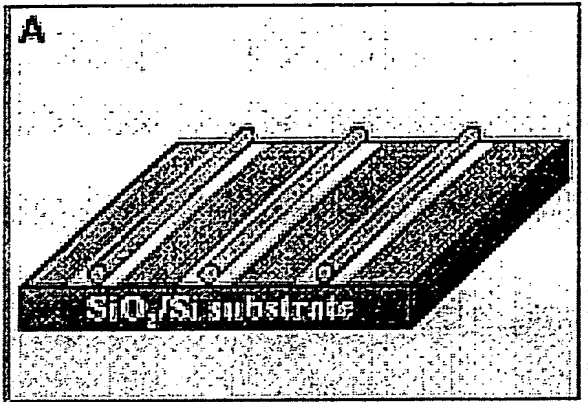


FIG. 32A

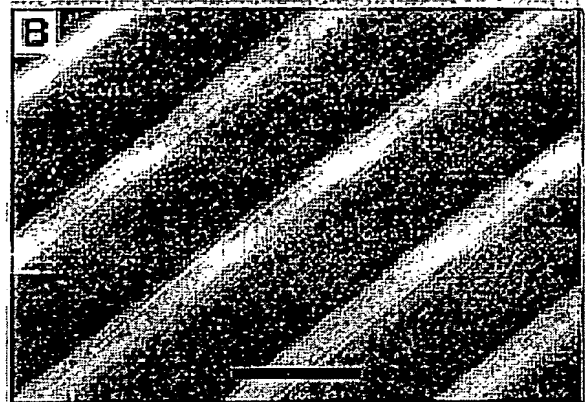


FIG. 32B

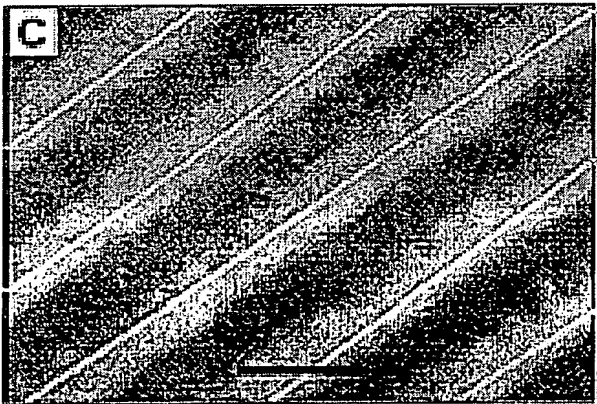


FIG. 32C

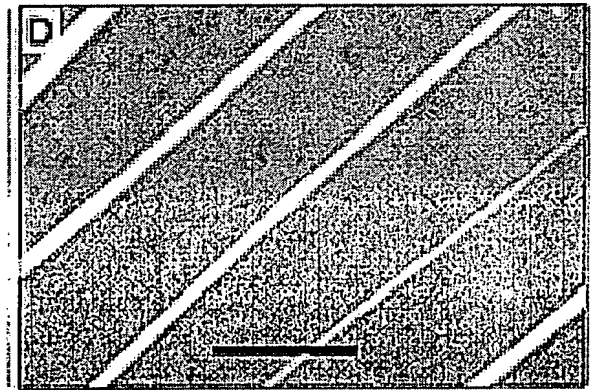


FIG. 32D

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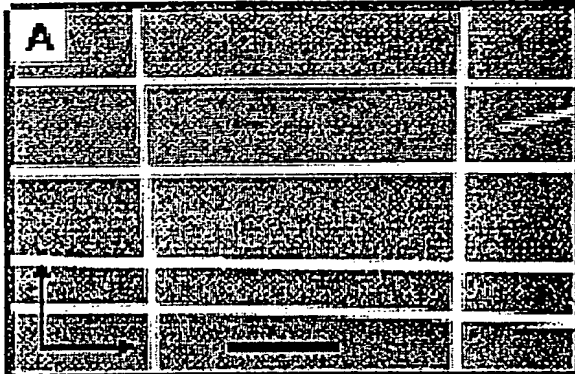


FIG. 33A

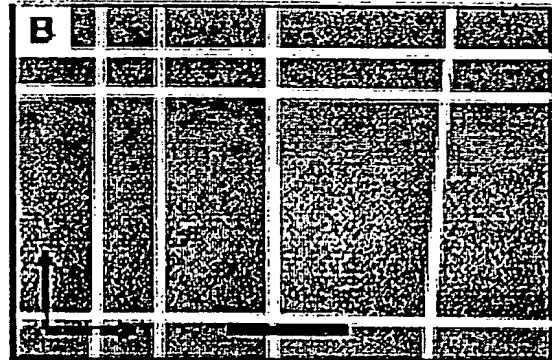


FIG. 33B

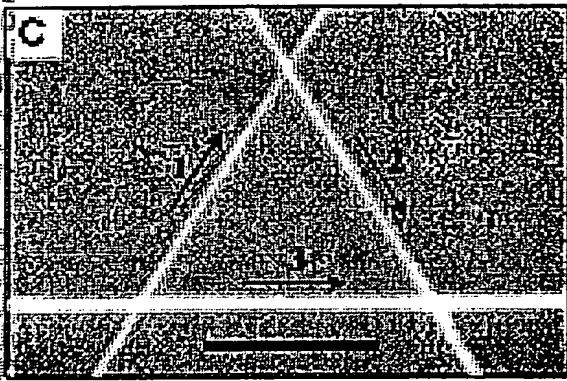


FIG. 33C

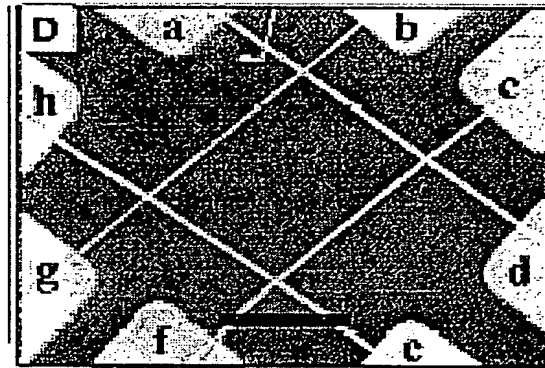


FIG. 33D

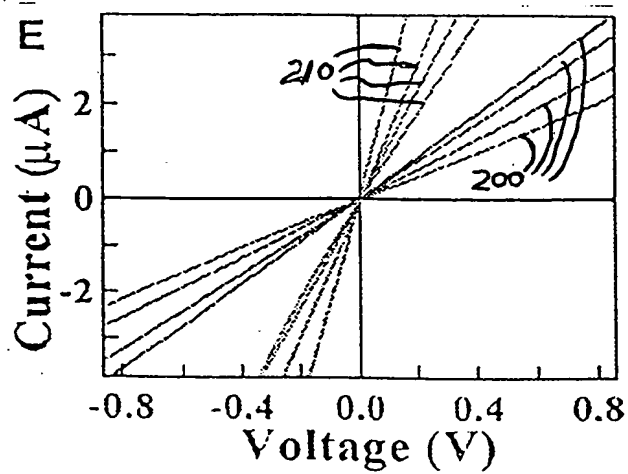


FIG. 33E